



A Look Over the Fence: Medium to Long-Term Asset Investment Planning at SBB

Rainer Kläne-Menke – SBB CFF FFS
John Dwyer – Rizing

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Agenda

10 min Business Scenario

10 min Rizing Cobalt Solution

4 min Demonstration

1 min Roadmap



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Business Scenario

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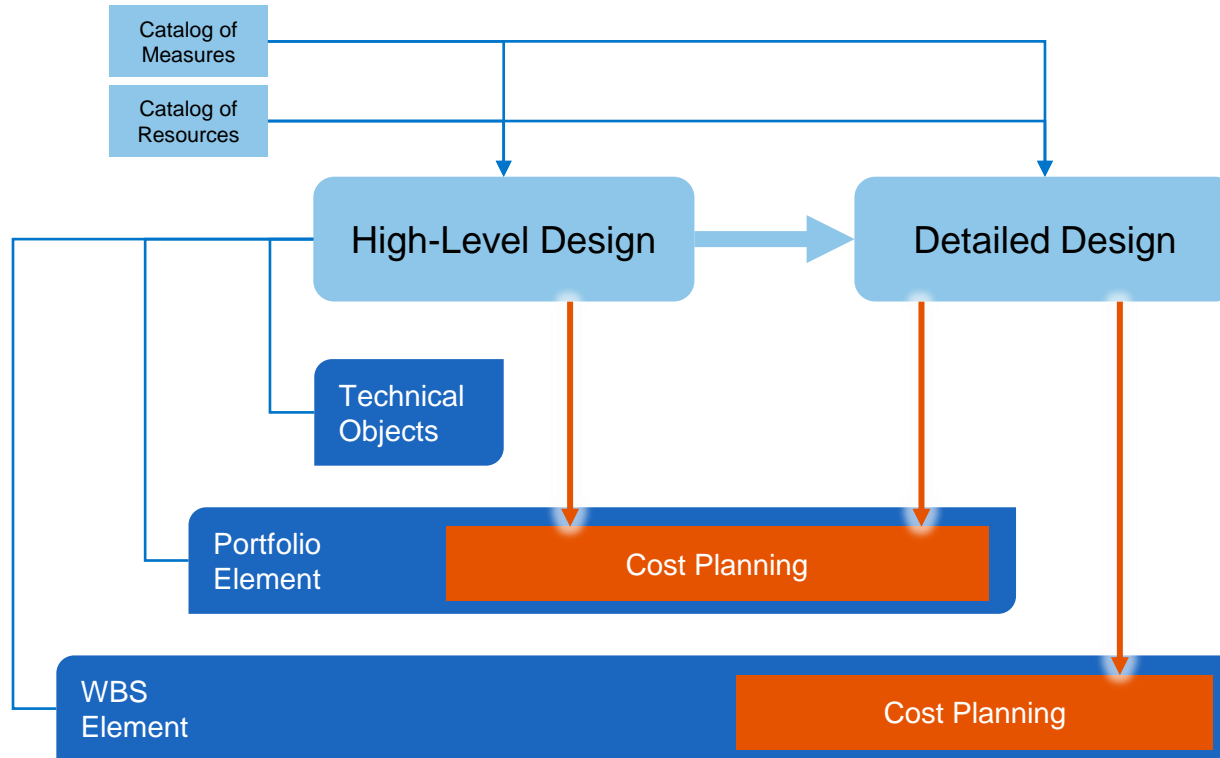
Typical Customer Situation

- Old IT system, developed/customized during SAP R/3 times, not very integrated, complex, not very user friendly
- Upcoming or ongoing transition of digital backbone to SAP S/4HANA
- Comprehensive extensions and add-ons
- Constraints through regulations from government
- Division-oriented organization with a lot of specific ideas

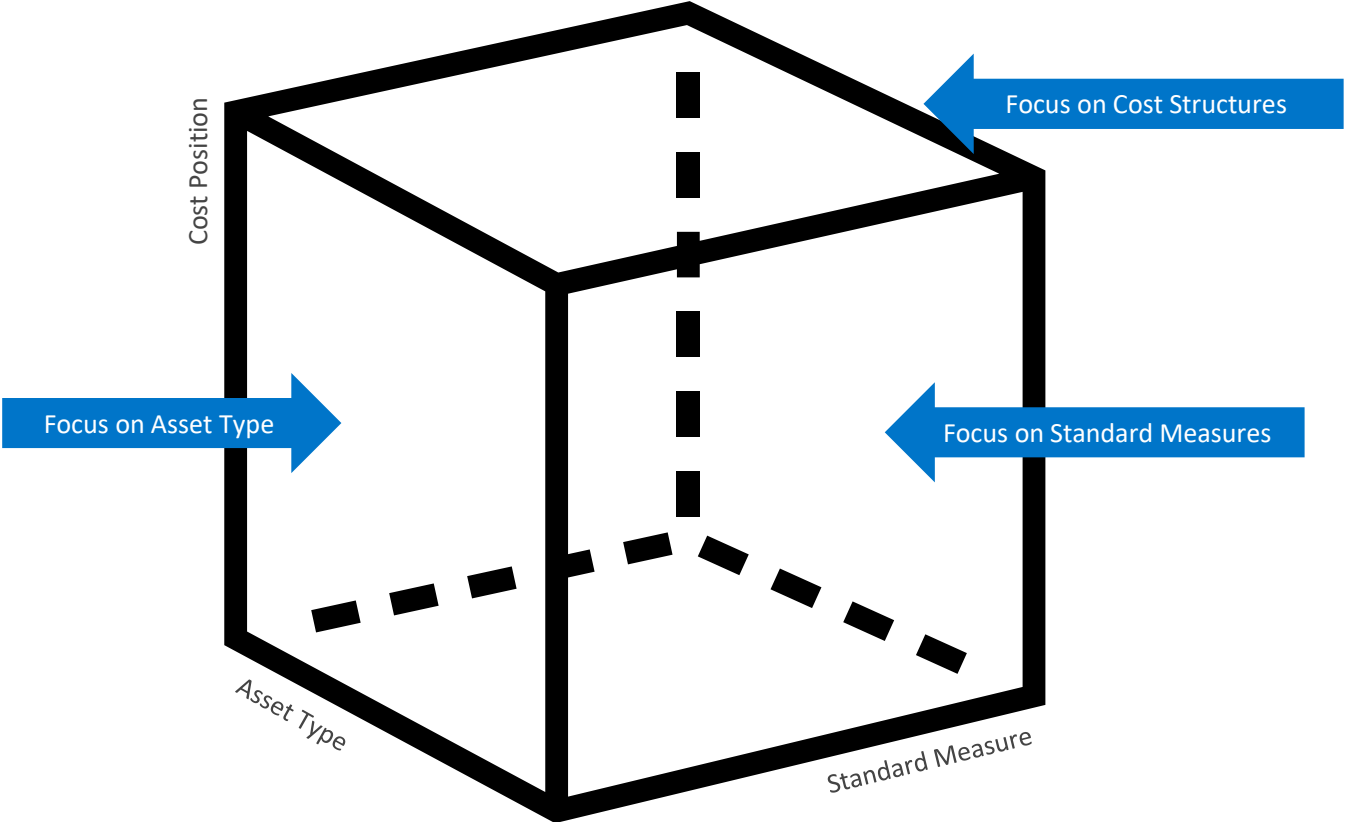
Typical Business Goals

- Rethink the cost planning process - based on SAP S/4HANA
- Find a «standard solution» - seamlessly integrated with S/4HANA
- Flexible to fit the requirements from different divisions
- Fulfill the regulations from government
- User-friendly and state-of-the-art interface
- Fully integrated to process and data flow

Handling of Measures and Cost Planning



Various Perspectives on Measures



Requirements for an Integrated Solution

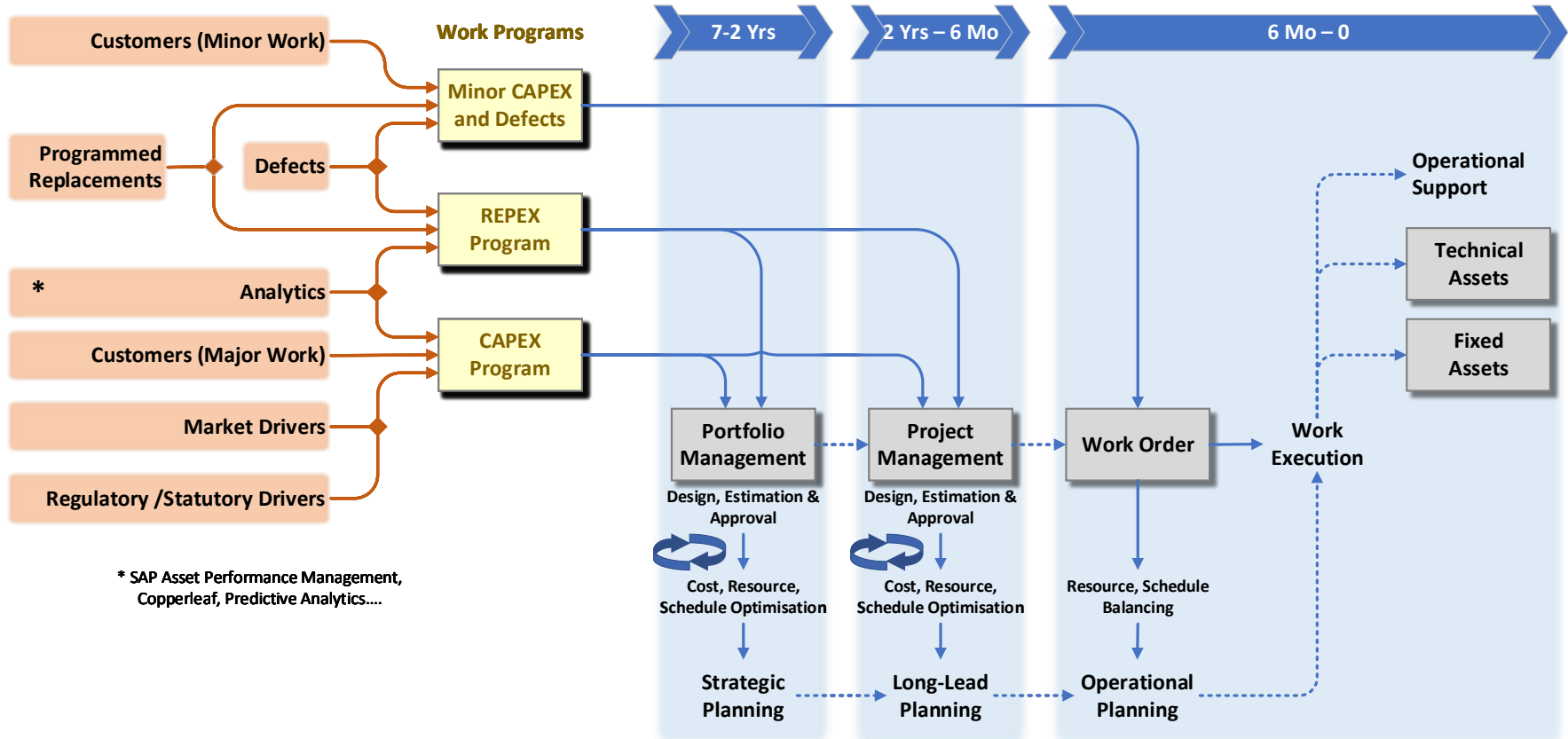
- Multi-Dimensional Model for calculation
- Twist and turn the data dimensions in any direction
- Configurable number of dimensions depending on different situations
- Integrated to SAP Portfolio and Project Management (PPM) SAP Project System (PS), and SAP Plant Maintenance (PM)
- Integrated and maintained Industry Cloud solution on SAP Business Technology Platform (BTP) as an extension to SAP S/4HANA

Rizing Cobalt Solution



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Asset Investment Planning Vision



* SAP Asset Performance Management, Copperleaf, Predictive Analytics....

Project Cobalt

Enabling asset planning and deployment in SAP

*Built on the **SAP Business Technology Platform**, provides asset planning and deployment and integrates seamlessly with SAP Enterprise Asset Management and other third-party vendors.*



Plan

Bring planning objects and process steps together into place



Deploy

Facilitate and streamline the asset build preparation and execution



Analyze

Provide planning to accurately estimate costs throughout the project lifecycle

Rizing, a Wipro company, in collaboration with SBB, is developing a solution that compliments and integrates with SAP Portfolio and Project Management, SAP Project System, SAP Plant Maintenance for coherent asset planning and deployment.

Key Solution Components

Planning Components

Wide range of planning components from SAP and in the solution

Version Management

Progress designs through multiple versions for evolution and evaluation

Costing

Automatically cost design and export it to SAP

Resourcing

Export of resource planning to construction work orders

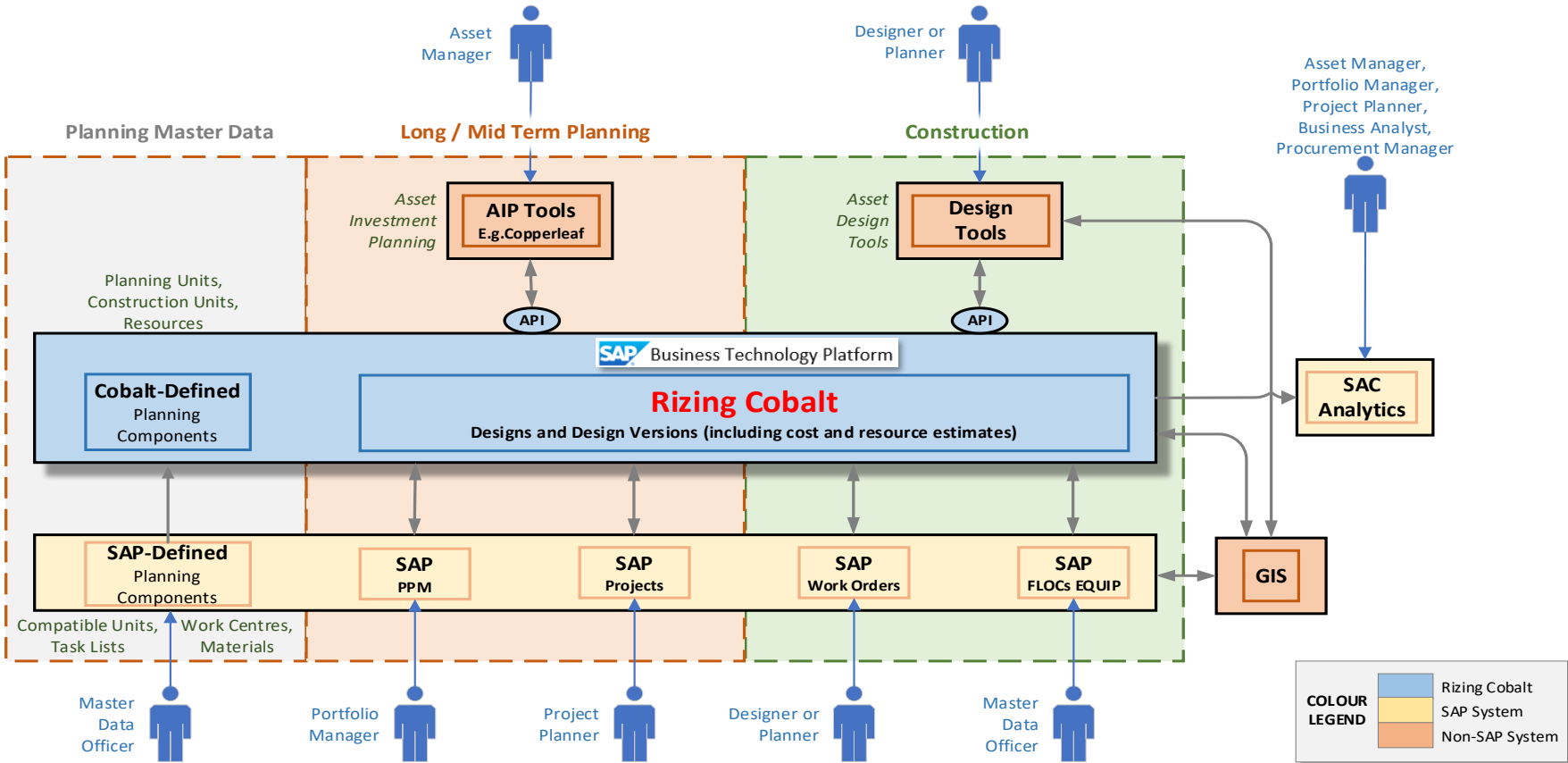
Technical Assets

Automate the creation, update and removal of SAP technical assets

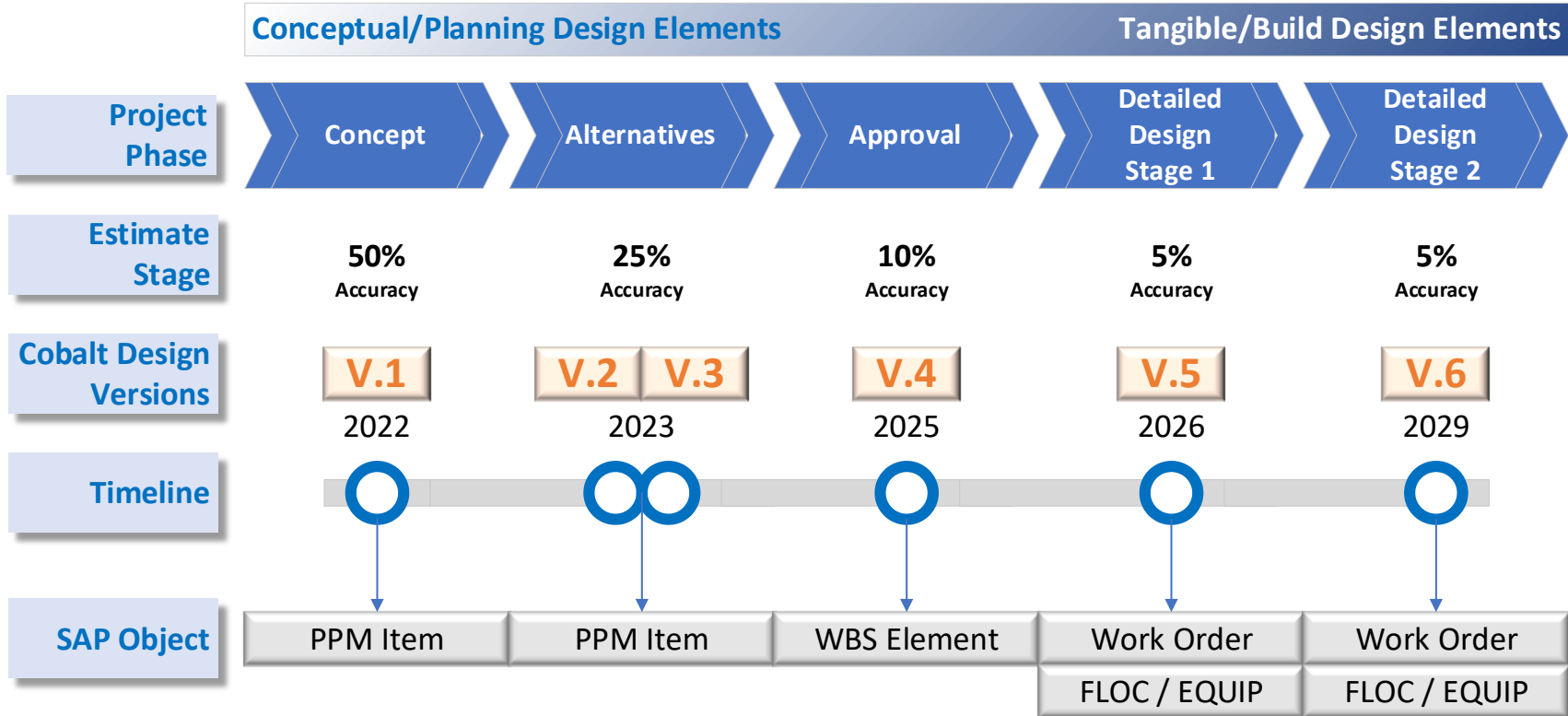
User Interface

Single drag-and-drop screen to create, adjust, and manage designs throughout their lifecycle

Cobalt Overview



Design Versions





Screen Captures

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Long Term Planning

Sample Design for SBB

1000000000

[Edit](#) [Delete](#) [Create Detail Design](#) [Create Version](#) [↗](#)



Details	Status	Log Data
Document Version: 00	Document Status: High Level Design (DR)	Created By: anonymous
Document Type: Cobalt Design (CT1)		Created On: Dec 8, 2021, 3:43:36 PM
Authorization Group:		Changed By: anonymous
PPM Item:		Changed On: Dec 8, 2021, 3:43:36 PM
Project ID: 1127078		



[Asset Design](#) [Gantt Chart](#)

Workspace		Measure	Geospatial	Documents	Import									
Design Delete 														
<input type="checkbox"/>	Description	Object Type	% Time	% Cost	Unit Price	Quantity	Cost	Duration	Comm Date	Distribution	Expenditure	WBS Element	Period From	Period To
<input type="checkbox"/>	▼ Infrastructure Build Bundle	Measure Bundle					500,000.00						Jun-25	Dec-25
<input type="checkbox"/>	▼ New lane change	Measure			500,000.00	1	500,000.00	200	31/12/2025				Jun-25	Dec-25
<input type="checkbox"/>	▼ 2-Preproject	Phase	5 %				25,000.00						Jun-25	Jun-25
<input type="checkbox"/>	Fees	Position		5 %			25,000.00				OPEX	1127078.2.558.4	Jun-25	Jun-25
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<input type="checkbox"/>	▼ 4-Execution	Phase	80 %				425,000.00						Jul-25	Dec-25
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<input type="checkbox"/>	Switch	Position		75 %			375,000.00				CAPEX	1127078.4.558.7	Jul-25	Dec-25
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<input type="checkbox"/>	EL - Internal Resource	Resource					50,000.00			Linear			Jun-25	Dec-25
<input type="checkbox"/>	FL - Services	Resource					150,000.00			Linear			Jun-25	Dec-25
<input type="checkbox"/>	Mat - Material	Resource					300,000.00			Linear			Jun-25	Dec-25

Construction Planning



Pole Replacement Smith and Western

10000000474

Create Version Create Work Order (Custom)

Header Workspace

Workspace	Compatible Unit	Service Master	Work Center	Material Master	Maint. Tasklist	WBS Element	Version
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Workspace

Delete

<input type="checkbox"/>	Description	Object Type	Object Key	Price
<input type="checkbox"/>	▼ Preliminary Design	WBS Element	E.20018 -02-01	0.00
<input type="checkbox"/>	▼ Preliminary Design	Maintenance Order	<input type="checkbox"/> Create Work Order?	0.00
<input type="checkbox"/>	Engineering Lines	Work Center	ENGLINE	0.00
<input type="checkbox"/>	▼ Detailed Design	WBS Element	E.20018 -02-02	16255.00
<input type="checkbox"/>	▼ Construction	Maintenance Order	<input type="checkbox"/> Create Work Order?	16255.00
<input type="checkbox"/>	ED401 POLE, WOOD - 35 FT	Compatible Unit	500000011	2825.00
<input type="checkbox"/>	CROSS ARM, WOOD, 3-1/2" x 4-1/2" x 8'-0"	Compatible Unit	500000012	1490.00
<input type="checkbox"/>	SERV	Service Master	3000132	1500.00
<input type="checkbox"/>	ED Traffic Control (External)	Work Center	TRAFIC01	0.00
<input type="checkbox"/>	ANGLE IRON 25X25X3	Material Master	200000518	200.00
<input type="checkbox"/>	Bare Overhead-AAC/TW/O51+I	Material Master	299900098	10240.00

Material (47)

<input type="checkbox"/>	Material Id	Old Material Id	Material Group	Plant
<input type="checkbox"/>	Generator 2000kVa 4_POLE_50HZ (200000034)		Material group 1 (01)	US Utility Distribu
<input checked="" type="checkbox"/>	Pole Cap, Round, 4 Inch (200000145)		Material group 1 (01)	US Utility Distribu
<input type="checkbox"/>	MOTOR 2,8/0,7KW 4/6POLES B14" (200000612)	193987	Material group 1 (01)	US Utility Distribu
<input type="checkbox"/>	POLE_PENTA_45'_CLASS 2 JD (200000822)		ED - Wood Pole (ED-...	US Utility Distribu
<input type="checkbox"/>	POLE_PENTA_65'_CLASS 2 JD (200000824)		ED - Wood Pole (ED-...	US Utility Distribu
<input type="checkbox"/>	Wood Pole-SYP/25ft/Class7 (299900001)		ED - Wood Pole (ED-...	US Utility Distribu
<input type="checkbox"/>	Wood Pole-SYP/25ft/Class7 (299900001)		ED - Wood Pole (ED-...	US Utility Distribu
<input type="checkbox"/>	Wood Pole-SYP/30ft/Class5 (299900002)		ED - Wood Pole (ED-...	US Utility Distribu
<input type="checkbox"/>	Wood Pole-SYP/30ft/Class6 (299900003)		ED - Wood Pole (ED-...	US Utility Distribu
<input type="checkbox"/>	Wood Pole-SYP/30ft/Class7 (299900004)		ED - Wood Pole (ED-...	US Utility Distribu
<input type="checkbox"/>	Wood Pole-SYP/30ft/Class9 (299900005)		ED - Wood Pole (ED-...	US Utility Distribu

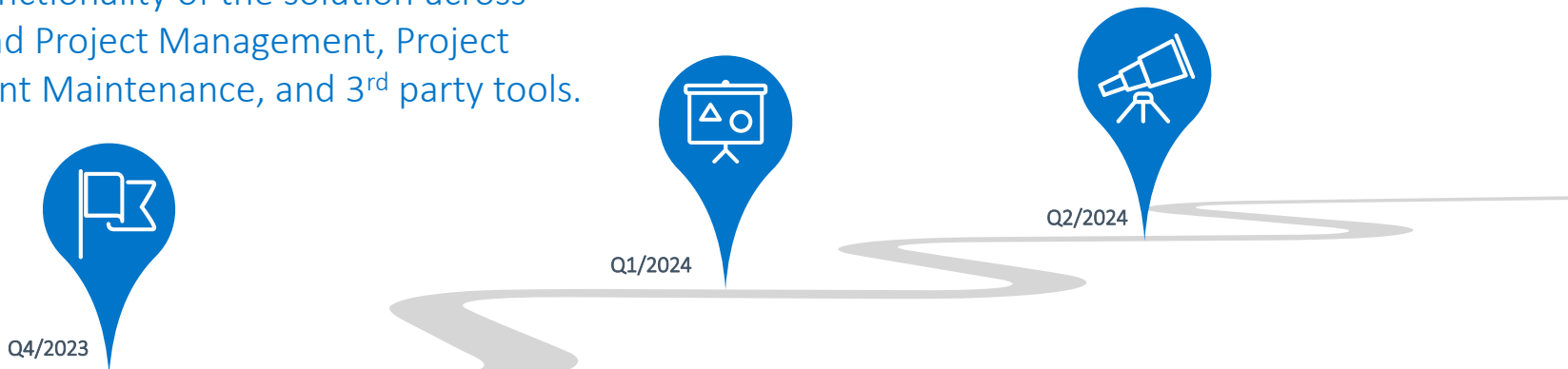
Roadmap



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Project Cobalt Roadmap

The roadmap is driven by the establishment of the base functionality of the solution across Portfolio and Project Management, Project System, Plant Maintenance, and 3rd party tools.



Release 2.0

- Drag-and-drop design workspace.
- Design Versions.
- Export of cost plans to a Portfolio Item.
- Export of cost plans to a Project.

Release 2.1

- Export of designs to create or update Work Orders, Functional Locations, and Equipment.

Release 2.2

- APIs to support interaction with non-SAP systems.
- Gantt Charts.
- Document Integration.
- Geospatial Integration.

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Questions ?

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Thank you!

RAINER KLÄNE-MENKE

System Architect

rainer.klaene-menke@sbb.ch

JOHN DWYER

Solution Architect & Product Owner

john.dwyer@rizing.com

DR. ACHIM KRÜGER

President EMEA - EAM

achim.krueger@rizing.com

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